CRF Errors Corrected by the STIC System Branch

Serial Number: 10/009,693

CRF Processing Dat : 1/17/2002
Edited by: _____
Verified by: _____ (STIC staff)

ENTERED

☐ Changed a file from non-ASCII to ASCII

☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.

☐ Edited a format error in the Current Application Data section, specifically:

_____

☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.

☐ Added the mandatory heading and subheadings for "Current Application Data".

☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:

_____

☑ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: 3

☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

_____

☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐ Inserted colons after headings/subheadings. Headings edited included:

_____

☐ Deleted extra, invalid, headings used by an applicant, specifically:

_____

☑ Deleted: ☑ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as_____ .

☐ Inserted mandatory headings, specifically: _____

☐ Corrected an obvious error in the response, specifically:

_____

☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

☐ Corrected an error in the Number of Sequences field, specifically:

_____

☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

☐ Other: _____

_____

_____

_____

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

```
            RAW SEQUENCE LISTING                    DATE: 01/17/2002
            PATENT APPLICATION:  US/10/009,693      TIME: 08:11:04

            Input Set : A:\PTO.AMC.txt
            Output Set: N:\CRF3\01172002\J009693.raw


     2 <110> APPLICANT: Takeda Chemical Industries, Ltd.
W--> 3 <120> TITLE OF INVENTION: Novel Protein and its DNA
W--> 4 <130> FILE REFERENCE: 2613WOOP
C--> 5 <140> CURRENT APPLICATION NUMBER: US/10/009,693
C--> 5 <141> CURRENT FILING DATE: 2001-12-10
     5 <150> PRIOR APPLICATION NUMBER: JP 11-163924
     6 <151> PRIOR FILING DATE: 1999-06-10
W--> 7 <160> NUMBER OF SEQ ID: 12
W--> 8 <210> SEQ ID NO: 1
     9 <211> LENGTH: 602
    10 <212> TYPE: PRT
    11 <213> ORGANISM: Human
W--> 12 <400> SEQUENCE: 1
    13 Met Asp Ser Arg Val Ser Gly Thr Thr Ser Asn Gly Glu Thr Lys Pro
    14  1               5                   10                  15
    15 Val Tyr Pro Val Met Glu Lys Lys Glu Glu Asp Gly Thr Leu Glu Arg
    16                  20                  25                  30
    17 Gly His Trp Asn Asn Lys Met Glu Phe Val Leu Ser Val Ala Gly Glu
    18              35                  40                  45
    19 Ile Ile Gly Leu Gly Asn Val Trp Arg Phe Pro Tyr Leu Cys Tyr Lys
    20      50                  55                  60
    21 Asn Gly Gly Gly Ala Phe Phe Ile Pro Tyr Leu Val Phe Leu Phe Thr
    22 65                  70                  75                  80
    23 Cys Gly Ile Pro Val Phe Leu Leu Glu Thr Ala Leu Gly Gln Tyr Thr
    24                  85                  90                  95
    25 Ser Gln Gly Gly Val Thr Ala Trp Arg Lys Ile Cys Pro Ile Phe Glu
    26              100                 105                 110
    27 Gly Ile Gly Tyr Ala Ser Gln Met Ile Val Ile Leu Leu Asn Val Tyr
    28              115                 120                 125
    29 Tyr Ile Ile Val Leu Ala Trp Ala Leu Phe Tyr Leu Phe Ser Ser Phe
    30      130                 135                 140
    31 Thr Ile Asp Leu Pro Trp Gly Gly Cys Tyr His Glu Trp Asn Thr Glu
    32 145                 150                 155                 160
    33 His Cys Met Glu Phe Gln Lys Thr Asn Gly Ser Leu Asn Gly Thr Ser
    34              165                 170                 175
    35 Glu Asn Ala Thr Ser Pro Val Ile Glu Phe Trp Glu Arg Arg Val Leu
    36              180                 185                 190
    37 Lys Ile Ser Asp Gly Ile Gln His Leu Gly Ala Leu Arg Trp Glu Leu
    38              195                 200                 205
    39 Ala Leu Cys Leu Leu Leu Ala Trp Val Ile Cys Tyr Phe Cys Ile Trp
    40      210                 215                 220
    41 Lys Gly Val Lys Ser Thr Gly Lys Val Val Tyr Phe Thr Ala Thr Phe
    42 225                 230                 235                 240
    43 Pro Tyr Leu Met Leu Val Val Leu Leu Ile Arg Gly Val Thr Leu Pro
    44              245                 250                 255
    45 Gly Ala Ala Gln Gly Ile Gln Phe Tyr Leu Tyr Pro Asn Leu Thr Arg
    46              260                 265                 270
```

RAW SEQUENCE LISTING   DATE: 01/17/2002
PATENT APPLICATION: US/10/009,693   TIME: 08:11:04

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF3\01172002\J009693.raw**

```
47 Leu Trp Asp Pro Gln Val Trp Met Asp Ala Gly Thr Gln Ile Phe Phe
48         275             280             285
49 Ser Phe Ala Ile Cys Leu Gly Cys Leu Thr Ala Leu Gly Ser Tyr Asn
50         290             295             300
51 Lys Tyr His Asn Asn Cys Tyr Arg Asp Cys Ile Ala Leu Cys Phe Leu
52 305             310             315             320
53 Asn Ser Gly Thr Ser Phe Val Ala Gly Phe Ala Ile Phe Ser Ile Leu
54             325             330             335
55 Gly Phe Met Ser Gln Glu Gln Gly Val Pro Ile Ser Glu Val Ala Glu
56         340             345             350
57 Ser Gly Pro Gly Leu Ala Phe Ile Ala Tyr Pro Arg Ala Val Val Met
58         355             360             365
59 Leu Pro Phe Ser Pro Leu Trp Ala Cys Cys Phe Phe Phe Met Val Val
60     370             375             380
61 Leu Leu Gly Leu Asp Ser Gln Phe Val Cys Val Glu Ser Leu Val Thr
62 385             390             395             400
63 Ala Leu Val Asp Met Tyr Pro His Val Phe Arg Lys Lys Asn Arg Arg
64             405             410             415
65 Glu Val Leu Ile Leu Gly Val Ser Val Val Ser Phe Leu Val Gly Leu
66         420             425             430
67 Ile Met Leu Thr Glu Gly Gly Met Tyr Val Phe Gln Leu Phe Asp Tyr
68         435             440             445
69 Tyr Ala Ala Ser Gly Met Cys Leu Leu Phe Val Ala Ile Phe Glu Ser
70     450             455             460
71 Leu Cys Val Ala Trp Val Tyr Gly Ala Lys Arg Phe Tyr Asp Asn Ile
72 465             470             475             480
73 Glu Asp Met Ile Gly Tyr Arg Pro Trp Pro Leu Ile Lys Tyr Cys Trp
74             485             490             495
75 Leu Phe Leu Thr Pro Ala Val Cys Thr Ala Thr Phe Leu Phe Ser Leu
76         500             505             510
77 Ile Lys Tyr Thr Pro Leu Thr Tyr Asn Lys Lys Tyr Thr Tyr Pro Trp
78         515             520             525
79 Trp Gly Asp Ala Leu Gly Trp Leu Leu Ala Leu Ser Ser Met Val Cys
80     530             535             540
81 Ile Pro Ala Trp Ser Leu Tyr Arg Leu Gly Thr Leu Lys Gly Pro Phe
82 545             550             555             560
83 Arg Glu Arg Ile Arg Gln Leu Met Cys Pro Ala Glu Asp Leu Pro Gln
84             565             570             575
85 Arg Asn Pro Ala Gly Pro Ser Ala Pro Ala Thr Pro Arg Thr Ser Leu
86         580             585             590
87 Leu Arg Leu Thr Glu Leu Glu Ser His Cys
88         595             600
89 <210> SEQ ID NO: 2
90 <211> LENGTH: 1806
91 <212> TYPE: DNA
92 <213> ORGANISM: Human
93 <400> SEQUENCE: 2
94 atggatagca gggtctcagg cacaaccagt aatggagaga caaaaccagt gtatccagtc    60
95 atggaaaaga aggaggaaga tggcaccctg gagcgggggc actggaacaa caagatggag   120
```

```
 96 tttgtgctgt cagtggctgg ggagatcatt ggcttaggca acgtctggag gtttccctat    180
 97 ctctgctaca aaaatggggg aggtgccttc ttcatcccct acctcgtctt cctctttacc    240
 98 tgtggcattc ctgtcttcct tctggagaca gcactaggcc agtacactag ccagggaggc    300
 99 gtcacagcct ggaggaagat ctgccccatc tttgagggca ttggctatgc ctcccagatg    360
100 atcgtcatcc tcctcaacgt ctactacatc attgtgttgg cctgggccct gttctacctc    420
101 ttcagcagct tcaccatcga cctgccctgg ggcggctgct accatgagtg gaacacagaa    480
102 cactgtatgg agttccagaa gaccaacggc tccctgaatg gtacctctga gaatgccacc    540
103 tctcctgtca tcgagttctg ggagcggcgg gtcttgaaga tctctgatgg gatccagcac    600
104 ctggggggccc tgcgctggga gctggctctg tgcctcctgc tggcctgggt catctgctac    660
105 ttctgcatct ggaaggggt gaagtccaca ggcaaggtgg tgtacttcac ggccacattt    720
106 ccttacctca tgctggtggt cctgttaatt cgaggggtga cgttgcctgg ggcagcccaa    780
107 ggaattcagt tttacctgta cccaaacctc acgcgtctgt gggatcccca ggtgtggatg    840
108 gatgcaggca cccagatatt cttctccttc gccatctgtc ttgggtgcct gacagccctg    900
109 ggcagctaca acaagtacca caacaactgc tacagggact gcatcgccct ctgcttcctc    960
110 aacagcggca ccagctttgt ggccggcttt gccatcttct ccatcctggg cttcatgtct   1020
111 caggagcagg gggtgcccat ttctgaggtg gccgagtcag gccctggcct ggctttcatc   1080
112 gcttacccgc gggctgtggt gatgctgccc ttctctcctc tctgggcctg ctgtttcttc   1140
113 ttcatggtcg ttctcctggg actggatagc cagtttgtgt gtgtagaaag cctggtgaca   1200
114 gcgctggtgg acatgtaccc tcacgtgttc cgcaagaaga accggaggga agtcctcatc   1260
115 cttggagtat ctgtcgtctc cttccttgtg gggctgatca tgctcacaga gggcggaatg   1320
116 tacgtgttcc agctctttga ctactatgcg gccagtggca tgtgcctcct gttcgtggcc   1380
117 atcttcgagt ccctctgtgt ggcttgggtt tacggagcca agcgcttcta cgacaacatc   1440
118 gaagacatga ttgggtacag gccatggcct cttatcaaat actgttggct cttcctcaca   1500
119 ccagctgtgt gcacagccac ctttctcttc tccctgataa agtacactcc gctgacctac   1560
120 aacaagaagt acacgtaccc gtggtggggc gatgccctgg gctggctcct ggctctgtcc   1620
121 tccatggtct gcattcctgc ctggagcctc tacagactcg gaaccctcaa gggccccttc   1680
122 agagagagaa tccgtcagct catgtgccca gccgaggacc tgccccagcg gaacccagca   1740
123 ggaccctcgg ctcccgccac ccccaggacc tcactgctca gactcacaga gctagagtct   1800
124 cactgc                                                              1806
125 <210> SEQ ID NO: 3
126 <211> LENGTH: 30
127 <212> TYPE: DNA
128 <213> ORGANISM: Artificial Sequence
```
W--> 129 <220> FEATURE:
```
130 <223> OTHER INFORMATION: Primer
```
W--> 131 <400> SEQUENCE: 3
C--> 132 ggtgggatgg ataacagggt ctcgggaacg   30
```
133 <210> SEQ ID NO: 4
134 <211> LENGTH: 30
135 <212> TYPE: DNA
136 <213> ORGANISM: Artificial Sequence
```
W--> 137 <220> FEATURE:
```
138 <223> OTHER INFORMATION: Primer
```
W--> 139 <400> SEQUENCE: 4
C--> 140 ccctagcagt tagactccag ttctgtgagc   30
```
141 <210> SEQ ID NO: 5
142 <211> LENGTH: 24
143 <212> TYPE: DNA
144 <213> ORGANISM: Artificial Sequence
```

RAW SEQUENCE LISTING   DATE: 01/17/2002
PATENT APPLICATION: US/10/009,693   TIME: 08:11:04

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\01172002\J009693.raw

```
W--> 145 <220> FEATURE:
     146 <223> OTHER INFORMATION: Primer
W--> 147 <400> SEQUENCE: 5
C--> 148 gcacctcccc catttttgta gcag                                    24
     149 <210> SEQ ID NO: 6
     150 <211> LENGTH: 24
     151 <212> TYPE: DNA
     152 <213> ORGANISM: Artificial Sequence
W--> 153 <220> FEATURE:
     154 <223> OTHER INFORMATION: Primer
W--> 155 <400> SEQUENCE: 6
C--> 156 gacaggaatg ccacaggtaa agag                                    24
     157 <210> SEQ ID NO: 7
     158 <211> LENGTH: 24
     159 <212> TYPE: DNA
     160 <213> ORGANISM: Artificial Sequence
W--> 161 <220> FEATURE:
     162 <223> OTHER INFORMATION: Primer
W--> 163 <400> SEQUENCE: 7
C--> 164 ctctacagac tcggaaccct caag                                    24
     165 <210> SEQ ID NO: 8
     166 <211> LENGTH: 24
     167 <212> TYPE: DNA
     168 <213> ORGANISM: Artificial Sequence
W--> 169 <220> FEATURE:
     170 <223> OTHER INFORMATION: Primer
W--> 171 <400> SEQUENCE: 8
C--> 172 cctgggctgg ctcctggctc tgtc                                    24
     173 <210> SEQ ID NO: 9
     174 <211> LENGTH: 27
     175 <212> TYPE: DNA
     176 <213> ORGANISM: Artificial Sequence
W--> 177 <220> FEATURE:
     178 <223> OTHER INFORMATION: Primer
W--> 179 <400> SEQUENCE: 9
C--> 180 ccatcctaat acgactcact atagggc                                 27
     181 <210> SEQ ID NO: 10
     182 <211> LENGTH: 23
     183 <212> TYPE: DNA
     184 <213> ORGANISM: Artificial Sequence
W--> 185 <220> FEATURE:
     186 <223> OTHER INFORMATION: Primer
W--> 187 <400> SEQUENCE: 10
C--> 188 actcactata gggctcgagc ggc                                     23
     189 <210> SEQ ID NO: 11
     190 <211> LENGTH: 36
     191 <212> TYPE: DNA
     192 <213> ORGANISM: Artificial Sequence
W--> 193 <220> FEATURE:
```

```
        194 <223> OTHER INFORMATION: Primer
W--> 195 <400> SEQUENCE: 11
C--> 196 ggcagcgcta gcaggtctgg cagcagcttc actaag                    36
        197 <210> SEQ ID NO: 12
        198 <211> LENGTH: 36
        199 <212> TYPE: DNA
        200 <213> ORGANISM: Artificial Sequence
W--> 201 <220> FEATURE:
        202 <223> OTHER INFORMATION: Primer
W--> 203 <400> SEQUENCE: 12
C--> 204 tcaccagtcg acggcacaca ggcaccatcc aagggc                    36
```

VERIFICATION SUMMARY   DATE: 01/17/2002
PATENT APPLICATION: **US/10/009,693**   TIME: 08:11:05

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF3\01172002\J009693.raw**

```
L:3 M:283 W: Missing Blank Line separator, <120> field identifier
L:4 M:283 W: Missing Blank Line separator, <130> field identifier
L:5 M:270 C: Current Application Number differs, Replaced Current Application No
L:5 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:7 M:283 W: Missing Blank Line separator, <160> field identifier
L:8 M:283 W: Missing Blank Line separator, <210> field identifier
L:12 M:283 W: Missing Blank Line separator, <400> field identifier
L:93 M:283 W: Missing Blank Line separator, <400> field identifier
L:94 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=2
L:129 M:283 W: Missing Blank Line separator, <220> field identifier
L:131 M:283 W: Missing Blank Line separator, <400> field identifier
L:132 M:112 C: (48) String data converted to lower case,
L:137 M:283 W: Missing Blank Line separator, <220> field identifier
L:139 M:283 W: Missing Blank Line separator, <400> field identifier
L:140 M:112 C: (48) String data converted to lower case,
L:145 M:283 W: Missing Blank Line separator, <220> field identifier
L:147 M:283 W: Missing Blank Line separator, <400> field identifier
L:148 M:112 C: (48) String data converted to lower case,
L:153 M:283 W: Missing Blank Line separator, <220> field identifier
L:155 M:283 W: Missing Blank Line separator, <400> field identifier
L:156 M:112 C: (48) String data converted to lower case,
L:161 M:283 W: Missing Blank Line separator, <220> field identifier
L:163 M:283 W: Missing Blank Line separator, <400> field identifier
L:164 M:112 C: (48) String data converted to lower case,
L:169 M:283 W: Missing Blank Line separator, <220> field identifier
L:171 M:283 W: Missing Blank Line separator, <400> field identifier
L:172 M:112 C: (48) String data converted to lower case,
L:177 M:283 W: Missing Blank Line separator, <220> field identifier
L:179 M:283 W: Missing Blank Line separator, <400> field identifier
L:180 M:112 C: (48) String data converted to lower case,
L:185 M:283 W: Missing Blank Line separator, <220> field identifier
L:187 M:283 W: Missing Blank Line separator, <400> field identifier
L:188 M:112 C: (48) String data converted to lower case,
L:193 M:283 W: Missing Blank Line separator, <220> field identifier
L:195 M:283 W: Missing Blank Line separator, <400> field identifier
L:196 M:112 C: (48) String data converted to lower case,
L:201 M:283 W: Missing Blank Line separator, <220> field identifier
L:203 M:283 W: Missing Blank Line separator, <400> field identifier
L:204 M:112 C: (48) String data converted to lower case,
```